L Number	Hits	Search Text	DB	Time stamp
1	1031	ferromagnetic near6 free	USPAT	2003/10/30 16:35
2	1523	hard near8 bias\$4	USPAT	2003/10/30 17:41
3	279	(ferromagnetic near6 free) and (hard near8 bias\$4)	USPAT .	2003/10/30 16:35
4	180	free near20 (single adj6 domain)	USPAT	2003/10/30 16:36
7	0	<pre>(((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain))) and ((hard adj4 bias) near13 (coerciv\$4 adj4 Oe))</pre>	USPAT	2003/10/30 16:37
5	59	<pre>((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain))</pre>	USPAT	2003/10/30 17:13
8	8493	giant	USPAT	2003/10/30 17:13
9	46	(((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain))) and giant	USPAT	2003/10/30 17:13
6	6	(hard adj4 bias) nearl3 (coerciv\$4 adj4 Oe)	USPAT	2003/10/30 17:24
10	2422	coerciv\$4 adj6 Oe	USPAT	2003/10/30 17:25
11	5	<pre>((((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain))) and giant) and (coerciv\$4 adj6 Oe)</pre>	USPAT	2003/10/30 17:25
12	5	(((((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain))) and giant) and (coerciv\$4 adj6 Oe)) not ((hard adj4 bias) near13 (coerciv\$4 adj4 Oe))	USPAT	2003/10/30 17:36
13	1955	seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)	USPAT	2003/10/30 17:40
14	46583	permanent adj6 (magnet or magnetic)	USPAT	2003/10/30 17:40
16	0	<pre>((((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain))) and giant) and ((seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)))</pre>	USPAT	2003/10/30 17:40
15	35	(seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic))	USPAT	2003/10/30 17:40
17	12	(hard near8 bias\$4) and ((seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)))	USPAT	2003/10/30 17:41

Number Hits Search Text					
1522					
180	-				
180 bias\$4) 180 (((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain)) (() ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain)) () and (inter adj4 bias) () () () () () () ()				1	
180	3	279		USPAT	2003/10/30 16:35
1		100			0003/10/20 17 50
near8 bias\$4] and (free near20 (single adj6 domain)) and (hard adj4 bias) near13 (coerciv\$4 adj4 Oe)) USPAT 2003/10/30 17:13 2003/10/30 17:25 2003/10/30 17	l I				
adj6 domain)) and ((hard adj4 blas) 10	'	U		USPAT	2003/10/30 16:3/
The content of the					
Second S					l l
	_	50		TICDAT	2003/10/30 17:13
### 8493 46 6 6 6 6 6 6 6 6	3	39		OSTAL	2003/10/30 17.13
Separate					
1	ا ۵	8493		USPAT	2003/10/30 17:13
nearB bias\$4) and (free near20 (single adi6 domain)) and giant (hard adj6 domain)) and giant (coerciv\$4 adj4 oc) (coe) ((((fetromagnetic near6 free) and (hard nearB bias\$4)) and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj6 (oe) ((((((fetromagnetic near6 free) and (hard nearB bias\$4)) and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj6 (oe) ((((((fetromagnetic near6 free) and (hard nearB bias\$4)) and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj6 (oe)) not ((hard adj4 bias) near13 (coerciv\$4 adj6 (oe)) not ((hard adj4 bias) near13 (coerciv\$4 adj6 (oe)) not ((hard adj4 bias) near13 (coerciv\$4) adj6 (oe)) not ((hard adj4 bias) near13 (coerciv\$4) adj6 (magnet or magnetic) ((((fetromagnetic near6 free) and (hard nearB bias\$4)) and (free near20 (single adj6 domain))) and giant) and ((seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr)) and (permanent adj6 (magnet or magnetic)) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr)) and (permanent adj6 (magnet or magnetic)) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr)) and (permanent adj6 (magnet or magnetic)) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr)) and (permanent adj6 (magnet or magnetic)) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) and (permanent adj6 (magnet or magnetic)) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Mf or Zr) (seed adj30 (W or Mo or Cr or V or Nb o	I I			i .	
adj6 domain)) and giant					2000, 20, 00 2, 120
6 (hard adj4 bias) near13 (coerciv\$4 adj4 oe) coerciv\$4 adj6 Oe coerciv\$4 adj6 Oe coerciv\$4 adj6 Oe ((((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj6 Oe) ((((((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj6 Oe) (((((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj6 Oe) not ((hard adj4 bias) near13 (coerciv\$4 adj6 Oe)) seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Tf or Tf or Tr) permanent adj6 (magnet or magnetic) ((((ferromagnetic near6 free) and (hard near8 bias\$4)) and (free near20 (single adj6 domain)) and giant) and (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Tf or					
10	6	6		USPAT	2003/10/30 17:58
11		-			
11 5	10	2422		USPAT	2003/10/30 17:25
nearB bias\$4) and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj6 doe)	11	5	((((ferromagnetic near6 free) and (hard	USPAT	2003/10/30 17:25
adj6 (Omain)) and giant) and (coerciv\$4 adj6 (Oe)					
12					
near8 bias\$4] and (free near20 (single adj6 domain)) and giant) and (coerciv\$4 adj4 adj6 Oe)) not ((hard adj4 bias) near13 (coerciv\$4 adj4 Oe))			adj6 Oe)		
adj6 domain)) and giant) and (coerciv\$4 adj6 Oe) not ((hard adj4 bias) near13 (coerciv\$4 adj4 Oe)) seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr) permanent adj6 (magnet or magnetic) USPAT 2003/10/30 17:59 2003/10/30 17:59 2003/10/30 17:59 2003/10/30 17:59 2003/10/30 17:59 2003/10/30 17:59 2003/10/30 17:59 2003/10/30 17:59 2003/10/30 17:40 2003/10/30 17:50 2003/10/3	12	5		USPAT	2003/10/30 17:36
adj6 Oe) not ((hard adj4 bias) near13 (coerciv\$4 adj4 Oe)					
13 1955 seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr) 2003/10/30 17:59 2003/10/30					
1955 seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr) 14					
14	12	1055		IICDAM	2002/10/20 17:50
14	13	1955		USFAI	2003/10/30 17:59
16	14	46583		HADAT	2003/10/30 17:59
near8 bias\$4) and (free near20 (single adj6 domain)) and giant) and ((seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)) (hard near8 bias\$4) and ((seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)) ferromagnetic near6 free	i - '			1	1
adj6 domain)) and giant) and ((seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic))	1	ľ		001111	2000, 20, 50 1.110
(W or Mo or Cr or V or Nb or Ta or Hf or Zr)) and (permanent adj6 (magnet or magnetic))) (seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)) USPAT 2003/10/30 17:40 17 12 (hard near8 bias\$4) and ((seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic))) USPAT 2003/10/30 17:41 18 1273 ferromagnetic near6 free US-PGPUB; EPG; JPG; DERWENT; IBM TDB US-PGPUB; EPG; JPG; DERWENT; 2003/10/30 17:59 23 83817 permanent adj6 (magnet or magnetic) US-PGPUB; EPG; JPG; DERWENT; DERWENT; 2003/10/30 17:59					
Hf or Zr) and (permanent adj6 (magnet or magnetic))					
15					
Ta or Ti or Hf or Zr)) and (permanent adj6 (magnet or magnetic)) 12					
12	15	35		USPAT	2003/10/30 17:40
17					
Mo or Cr or V or Nb or Ta or Ti or Hf or Zr) and (permanent adj6 (magnet or magnetic))			(magnet or magnetic))		0000/10/00 15 14
Zr)) and (permanent adj6 (magnet or magnetic)))	17	12		USPAT	2003/10/30 17:41
1273 magnetic))) ferromagnetic near6 free US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPU					
18					
EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; D	18	1273		US-PGPUB:	2003/10/30 17:57
DERWENT; IBM TDB US-FGPUB; EPO; JPO; DERWENT;	**	12,5	20220110020 110020 1200		-555, 15, 55 17.57
19					
19					
EPO; JPO; DERWENT; IBM_TDB 20	19	1021	hard near8 bias\$4		2003/10/30 17:58
185 free near20 (single adj6 domain) IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-P				EPO; JPO;	
20				DERWENT;	
EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT;				1 —	
21 2 (hard adj4 bias) near13 (coerciv\$4 adj4 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB 22 1504 seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr) 23 83817 permanent adj6 (magnet or magnetic) DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT;	20	185	free near20 (single adj6 domain)	-	2003/10/30 17:58
21 2 (hard adj4 bias) near13 (coerciv\$4 adj4 US-PGPUB; EPO; JPO; DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT;					
21 2 (hard adj4 bias) near13 (coerciv\$4 adj4 US-\overline{PGPUB}; EPO; JPO; DERWENT; IBM TDB US-\overline{PGPUB}; EPO; JPO; DERWENT; EPO; JPO; DERWENT;				· ·	
Oe) 22	1 21	_	(hand add him) ====12 (== :1 04 114	_	2002/10/20 17 50
22 1504 seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr) 23 83817 permanent adj6 (magnet or magnetic) DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PGPUB; EPO; JPO; DERWENT;	Z1	2	_	1	2003/10/30 1/:58
22 1504 seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr)			UE)		
22 1504 seed adj30 (W or Mo or Cr or V or Nb or Ta or Ti or Hf or Zr) 23 83817 permanent adj6 (magnet or magnetic) US-\overline{PGPUB;} EPO; JPO; DERWENT; IBM_TDB US-\overline{PGPUB;} EPO; JPO; DERWENT;					
or Ti or Hf or Zr) 23 83817 permanent adj6 (magnet or magnetic) EPO; JPO; DERWENT; IBM_TDB US-FGPUB; EPO; JPO; DERWENT;	22	1504	seed adj30 (W or Mo or Cr or V or Nb or Ta		2003/10/30 17:59
DERWENT; 1BM_TDB US-PGPUB; EPO; JPO; DERWENT; 1BM_TDB US-PGPUB; EPO; JPO; DERWENT;		1504			
23 83817 permanent adj6 (magnet or magnetic) IBM_TDB US-PGPUB; EPO; JPO; DERWENT;					
23 83817 permanent adj6 (magnet or magnetic) US-PGPUB; 2003/10/30 17:59 EPO; JPO; DERWENT;				· ·	
DERWENT;	23	83817	permanent adj6 (magnet or magnetic)		2003/10/30 17:59
				· · · · · ·	
IBM_TDB					
				IBM_TDB	

24	1	(ferromagnetic near6 free) and (hard near8	US-PGPUB;	2003/10/30 18:01
		bias\$4) and (free near20 (single adj6	EPO; JPO;	
		domain)) and ((hard adj4 bias) near13	DERWENT;	
		(coerciv\$4 adj4 Oe)) and (seed adj30 (W or	IBM_TDB	
		Mo or Cr or V or Nb or Ta or Ti or Hf or		
		Zr)) and (permanent adj6 (magnet or		
		magnetic))		
25	1	((hard adj4 bias) near13 (coerciv\$4 adj4	US-PGPUB;	2003/10/30 18:00
		Oe)) not ((ferromagnetic near6 free) and	EPO; JPO;	
		(hard near8 bias\$4) and (free near20	DERWENT;	
		(single adj6 domain)) and ((hard adj4 bias) near13 (coerciv\$4 adj4 Oe)) and	IBM_TDB	
		(seed adj30 (W or Mo or Cr or V or Nb or		
		Ta or Ti or Hf or Zr)) and (permanent adj6		
		(magnet or magnetic)))		
26	4	(ferromagnetic near6 free) and (hard near8	US-PGPUB;	2003/10/30 18:01
	_	bias\$4) and (free near20 (single adj6	EPO; JPO;	2000, 20, 00
		domain)) and (seed adj30 (W or Mo or Cr or	DERWENT;	
		V or Nb or Ta or Ti or Hf or Zr)) and	IBM TDB	
		(permanent adj6 (magnet or magnetic))	_	

L Number	Hits	Search Text	DB	Time stamp
1	2	(("5696654") or ("5869963")).PN.	USPAT	2003/10/31 14:31
2	4179		USPAT	2003/10/31 14:32
3	1	((("5696654") or ("5869963")).PN.) and	USPAT	2003/10/31 14:40
	_	(single adj4 domain)]
4	1031	ferromagnetic near6 free	USPAT	2003/10/31 14:40
5	1001	(((("5696654") or ("5869963")).PN.) and	USPAT	2003/10/31 14:41
	Ĭ	(single adj4 domain)) and (ferromagnetic	001111	2003/10/31 14.41
		near6 free)		
6	2	(("6636400") or ("6175477")).PN.	USPAT	2003/10/31 14:41
7	1	(single adj4 domain) and (ferromagnetic	USPAT	2003/10/31 14:43
1 '	<u> </u>	near6 free) and ((("6636400") or	USERI	2003/10/31 14:43
		("6175477")).PN.)		
	,		HCDAM	2002/10/21 14:45
8	1	((("5696654") or ("5869963")).PN.) and	USPAT	2003/10/31 14:45
		(single adj4 domain)	'YIODAM	0000/10/01 14 45
9	2	(("6538858") or ("6542341")).PN.	USPAT	2003/10/31 14:45
10	2	(single adj4 domain) and (ferromagnetic	USPAT	2003/10/31 14:46
		near6 free) and ((("6538858") or		1
]		("6542341")).PN.)		
11	8493	giant	USPAT	2003/10/31 14:46
13	274	Oe near15 (hard or seed)	USPAT	2003/10/31 14:47
14	0	(((single adj4 domain) and (ferromagnetic	USPAT	2003/10/31 14:47
		near6 free) and ((("6538858") or		
		("6542341")).PN.)) and giant) and (Oe		
		near15 (hard or seed))		
12	2	((single adj4 domain) and (ferromagnetic	USPAT	2003/10/31 14:54
1		near6 free) and ((("6538858") or		
1		("6542341")).PN.)) and giant		
15	2	giant and (((single adj4 domain) and	USPAT	2003/10/31 15:29
		(ferromagnetic near6 free) and		
		((("6538858") or ("6542341")).PN.)) and		
		giant)	İ	
16	5638	hard near8 thickness	USPAT	2003/10/31 15:29
17	1	(giant and (((single adj4 domain) and	USPAT	2003/10/31 15:40
		(ferromagnetic near6 free) and		
		((("6538858") or ("6542341")).PN.)) and		
		giant)) and (hard near8 thickness)		
18	71885	seed	USPAT	2003/10/31 15:40
19	0	((giant and (((single adj4 domain) and	USPAT	2003/10/31 15:41
-		(ferromagnetic near6 free) and		
		((("6538858") or ("6542341")).PN.)) and		
İ	İ	giant)) and (hard near8 thickness)) and		
		seed	1	
20	1	("5,869,963").PN.	USPAT	2003/10/31 15:41
21	أ أ	seed and (("5,869,963").PN.)	USPAT	2003/10/31 15:45
22		("6052263").PN.	USPAT	2003/10/31 15:48
23	٥	seed and (("5,869,963").PN.)	USPAT	2003/10/31 15:48
24		seed and (("6052263").PN.)	USPAT	2003/10/31 15:48
<u> </u>	<u> </u>	1 3000 and ((0032203).FN.)	1 JOLAI	1 2000/10/01 10.40